### **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1639	250/370.08,370.09.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:38
L6	6568	sigma adj delta	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 09:43
L7	2	5 and 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 09:42
L8	22	sigma adj delta with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 09:44
L9	22	(sigma adj delta) with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 13:27
LII	2	x-ray and (sigma adj delta) with pixel	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 09:47
L12	475	(sigma adj delta) with (\$3pixel element)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 13:27
L13	59	cascade and 12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:20

### **EAST Search History**

L14		(sigma adj delta).ab. and x-ray	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:21
L15	64	SD near modulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:38
L16	2	SD near modulator with (pixel element)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:38
L17	8	15 and (x-ray CT imager)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/09/26 14:39



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### Data acquisition system using delta-sigma analog-to-digital signal converters

all 6 versions »

BM Gordon, H Weedon, LR Poulo, MH Miller - US Patent 6,657,571, 2003 - Google Patents ... and the brightness value of each **pixel** is set ... Patent uses a **delta-sigma modulator** and FIR digital filter ... function of both the noise level of the **X-ray** flux and ... Cited by 8 - Related Articles - Web Search

Optimal channel filter for CT system with wobbling focal spot - all 2 versions »

E Dolazza, H Weedon - US Patent 5,841,829, 1998 - Google Patents

... The result is an array of **pixels** of differing ... time to reject the digitization noise of the **sigma-delta modulator** ... of a focal spot wobbling **x-ray** source and ... Cited by 3 - Related Articles - Web Search

# Design and Evaluation of a CMOS-Photosensor with In-Pixel Sigma-Delta Modulator for X-ray Computed ...

C Baumer, S Eick, R Steadman, G Vogtmeier, M Gnade ... - Solid-State Circuits Conference, 2006. ESSCIRC 2006. ..., 2006 - ieeexplore.ieee.org

... and Evaluation of a CMOS-Photosensor with In-Pixel Sigma-Delta Modulator for X-ray Computed Tomography ... has been designed for data readout in CT scanners. ... Cited by 1 - Related Articles - Web Search

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..., AG Peele, PJ McMahon, CT Chantler, KA Nugent, B ... - Physical Review Letters, 2003 -

... c n\Omega \Pi 2fflfi ~uu fi ~kkn\Sigma; (3) where ... R G\Delta ~rr0=zd\Theta P\Delta ~rr \Pi ... The modulation transfer function (MTF) of the CCD camera system was ... Cited by 17 - Related Articles - Web Search - BL Direct

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C Bäumer, M Gnade, A Kemna, R Steadman, G ... - Nuclear Instruments and Methods in Physics Research Section ..., 2007 - Elsevier

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KPE NV - freepatentsonline.com

... by at least a photo detector (or photo transistor) and an A/D converter assigned to each **pixel** in the form of a **sigma delta** (SD) **modulator** is known from ... Cached - Web Search

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DB Ribner, MA Wu - US Patent 5,142,286, 1992 - Google Patents

... oversampling ratios and higher-order sigma-delta modulators. ... considerations set

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on the **modulator** order. ... values ofthe image picture elements or "**pixels**". ... Web Search

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CD Boles, BE Boser, BH Hasegawa, JA Heanue - Solid-State Circuits, IEEE Journal of, 1998 - ieeexplore.ieee.org

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